

Claims

1. A multicomponent clostridial vaccine composition comprising two or more clostridial immunogens and a rapidly dispersed adjuvant.
- 5 2. The vaccine composition of claim 1, wherein said adjuvant is saponin.
3. The vaccine composition of claim 1 wherein said clostridial immunogens comprise two or more clostridial bacterins or toxoids.
- 10 4. The vaccine composition of claim 3 wherein said two or more clostridial bacterins or toxoids are derived from the group of *Clostridia* consisting of *Clostridium perfringens*, *Clostridium septicum*, *Clostridium tetani*, *Clostridium chauvoei*, *Clostridium novyi*, *Clostridium sordellii*, *Clostridium haemolyticum*, *Clostridium botulinum*, and serotypes thereof.
- 15 5. The vaccine composition of claim 3 wherein said composition comprises clostridial bacterins or toxoids derived from each of *Clostridium chauvoei*, *Clostridium septicum*, *Clostridium novyi*, *Clostridium sordellii*, *Clostridium perfringens*, Type C and *Clostridium perfringens*, Type D.
- 20 6. The vaccine composition of claim 3 wherein said composition comprises clostridial bacterins or toxoids derived from each of *Clostridium haemolyticum*, *Clostridium chauvoei*, *Clostridium septicum*, *Clostridium novyi*, *Clostridium sordellii*, *Clostridium perfringens*, Type C and *Clostridium perfringens*, Type D.
- 25 7. A multicomponent clostridial vaccine composition comprising:
 - (a) clostridial bacterins or toxoids derived from each of *Clostridium chauvoei*, *Clostridium septicum*, *Clostridium novyi*, *Clostridium sordellii*, *Clostridium perfringens*, Type C and *Clostridium perfringens*, Type D; and
 - 30 (b) a saponin adjuvant.
8. A multicomponent clostridial vaccine composition comprising:
 - (a) clostridial bacterins or toxoids derived from each of *Clostridium haemolyticum*, *Clostridium chauvoei*, *Clostridium septicum*, *Clostridium novyi*, *Clostridium sordellii*, *Clostridium perfringens*, Type C and *Clostridium perfringens*, Type D; and
 - 35 (b) a saponin adjuvant.

9. A method of preventing or treating clostridial infection in a bovine animal, said method comprising administering an effective amount of the vaccine composition of claim 1 to said bovine animal.

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10. A method of preventing or treating clostridial infection in a bovine animal, said method comprising administering an effective amount of the vaccine composition of claim 7 to said bovine animal.

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11. A method of preventing or treating clostridial infection in a bovine animal, said method comprising administering an effective amount of the vaccine composition of claim 8 to said bovine animal.

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12. The method of claim 9 wherein said administering is done via an intramuscular injection.

13. The method of claim 10 wherein said administering is done via an intramuscular injection.

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14. The method of claim 11 wherein said administering is done via an intramuscular injection.

15. The method of claim 9 wherein said administering is done via a subcutaneous injection.

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16. The method of claim 10 wherein said administering is done via a subcutaneous injection.

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17. The method of claim 11 wherein said administering is done via a subcutaneous injection.